

LIST OF ART CITED BY APPLICANT
(Use several sheets if necessary)APPLICANT
Harry Rosenberg et alFILING DATE
January 13, 2002GROUP
2018

U.S. PATENT DOCUMENTS

*Division Indicate		Document Number	Date	Title	Class	Subclass	Filing Date if Appropriate
PD	AA	4,128,421	12/09/1978	Morab et al			
PD	AB	5,348,316	09/02/1998	Cire et al			
PD	AC	5,343,481	09/07/1993	Kramer			
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FOREIGN PATENT DOCUMENTS

		Document Number	Date	Country	Class	Subclass	Translation	
							Yes	No
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OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, Etc.)

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EXAMINER

PHUC T. DANG

DATE CONSIDERED

7/21/04

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Form PTO-1419		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. 3493-CON1		SERIAL NO. 10031201	
LIST OF ART CITED BY APPLICANT (Use several sheets if necessary)				APPLICANT MATT ROSENBERG et al			
				FILING DATE January 15, 2002		GROUP 1318	
U.S. PATENT DOCUMENTS							
Examiner Initials	Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate	
PD	AA 6,120,431	10/2000	Hartgen, Todd				
	AB						
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FOREIGN PATENT DOCUMENTS							
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EXAMINER		PHUC T. DANG		DATE CONSIDERED		7/21/04	
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Form PTO-1449
AUG 29 2003
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U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

LIST OF ART CITED BY APPLICANT
(Use several sheets if necessary)

ATTY. DOCKET NO.
3493-CON1

SERIAL NO.
10033201

APPLICANT
Harry Rosenberg et al

FILING DATE
January 15, 2002

GROUP
2318

U.S. PATENT DOCUMENTS

*Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate
PD	AA 5,244,556	09/1993	Inoue			
PD	AB 3,984,208	10/1978	Moulton et al			
PD	AC 5,972,238	10/1999	Jeong et al			
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FOREIGN PATENT DOCUMENTS

Document Number	Date	Country	Class	Subclass	Translation	
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OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)

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EXAMINER PHUC T. DANG

DATE CONSIDERED 1/30/04

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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Form PTO-140		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. N171-C011		SERIAL NO. 10001201	
LIST OF ART CITED BY APPLICANT (Use serial draw if necessary)				APPLICANT Harry Remington et al			
				FILED DATE January 15, 2004		GROUP 2011	
U.S. PATENT DOCUMENTS							
Examiner Initial		Document Number	Date	Title	Class	Subclass	Filing Date if appropriate
PD	AA	2,830,143	09/19/60	WELLS et al			
PD	AB	4,432,146	09/19/87	WELLS et al			
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FOREIGN PATENT DOCUMENTS							
		Document Number	Date	Country	Class	Subclass	Treaty T12 H1
PD	AI	EP 0155103	07/19/99	EPO			<input checked="" type="checkbox"/>
	AS						
OTHER REFERENCES (including Author, Title, Date, Publisher, Pages, Etc.)							
PD	AL	Clark et al, "Influence of Initial Ingot Breakdown on the Microstructural and Textural Development of High Purity Titanium", Metallurgical transactions, vol. 22A, pp. 2950-2958, December 1991.					
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EXAMINER PHUC T. DANG				DATE CONSIDERED 7/21/04			
*EXAMINER: Indicate if references considered, whether or not citation is in performance of MPEP 602; Draw line through citation if not in compliance and not considered. Include copy of this form with final communication to applicant.							

Form PTO-1449		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. 34593-CON1		SERIAL NO. 10/053,201		
<div style="position: relative; height: 100px;"> <div style="position: absolute; top: 0; left: 0; width: 100%; height: 100%; border: 1px solid black; border-radius: 50%; text-align: center; color: black; font-weight: bold; font-size: 1.2em;"> O I P E FEB 03 2003 PATENT & TRADEMARK OFFICE </div> </div>				LIST OF ART CITED BY APPLICANT (Use several sheets if necessary)				
				APPLICANT Harry Rosenberg et al FILING DATE January 13, 2002 GROUP 2818				
U.S. PATENT DOCUMENTS								
*Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate		
PD ↑ ↓ PD	AA	5,171,379	12/1992	Kumar et al.	—	—		
	AB	4,923,331	05/1990	Fisher	—	—		
	AC	5,189,503	9/1993	Suguro	—	—		
	AD	6,348,139	09/1993	Inoue	—	—		
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FOREIGN PATENT DOCUMENTS								
		Document Number	Date	Country	Class	Subclass	Translation	
							Yes	No
PD	AM	252,442	09.06.1960	Australia (Abstract only)	—		X	
PD	AN	55-179784	12/1980	Japan (Abstract only)	—		X	
	AO							
	AP							
	AQ							
OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, Etc.)								
PD	AR	Hughes et al., "Grain Subdivision and the Development of Local Orientations in Rolled Tantalum" Tantalum, The Minerals, Metals & Materials Society, 1996, pgs. 237-262. (Year is sufficiently early so that the month is not an issue.)						
PD	AS	Arlt, Jr., "Sulfonation and Sulfonation to Thorium and Thorium Compounds" Kirk-Othmer Encyclopedia of chemical Technology vol. 22, pp. 341-364, (1993, Year is sufficiently early so that the month is not an issue).						
PD	AT	Kirkbride et al., "The Effect of Yttrium on the Recrystallization and Grain Growth of Tantalum", J. Less-Common Metals, vol. 9, pp. 393-408, 1965. (Year is sufficiently early so that the month is not an issue.)						
EXAMINER PHUC T. DANG				DATE CONSIDERED 7/3/2003				
<small>*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.</small>								

Form PTO-1449

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.
3893-COM1SERIAL NO.
100001201LIST OF ART CITED BY APPLICANT
(Use several sheets if necessary)APPLICANT
Harry Rosenberg et alFILING DATE
January 13, 2002GROUP
2811

U.S. PATENT DOCUMENTS

*Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
PD	AA	5,171,370	12/1992	Sumar et al.	 	 	—
↑	AB	4,923,531	05/1990	Fisher			—
↓	AC	5,149,503	9/1993	Saguro			—
PD	AD	6,344,139	09/1993	Loose			—
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FOREIGN PATENT DOCUMENTS

		Document Number	Date	Country	Class	Subclass	Translation	
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PD	AM	252,441	09/08/1960	Australia (Abstract only)	 	 	X	
PD	AN	55-170784	12/1980	Japan (Abstract only)	 	 	X	
	AO							
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OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, Etc.)

PD	AR		Hughes et al., "Grain Subdivision and the Development of Local Orientations in Rolled Tantalum" Tantalum, The Minerals, Metals & Materials Society, 1996, pp. 257-262 (Year is sufficiently early so that the month is not an issue.)
PD	AS		Art. 35, "Self-formation and Self-formation to Thorium and Thorium Compounds" Kirk-Othmer Encyclopedia of chemical Technology vol. 21, pp. 541-564, (1993, Year is sufficiently early so that the month is not an issue.)
PD	AT		Kirkbride et al., "The Effect of Yttrium on the Recrystallization and Grain Growth of Tantalum", J. Less-Common Metals vol. 9, pp. 373-408, 1965. (Year is sufficiently early so that the month is not an issue.)

EXAMINER

PHUC T. DANG

DATE CONSIDERED

7/3/2003

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LIST OF ART CITED BY APPLICANT
(Use several sheets if necessary)APPLICANT
Harry RosenbergPRIORITY FILING DATE
November 20, 2000PRIORITY GROUP
2818

U.S. PATENT DOCUMENTS

*Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
PD	AA	4,727,928	03/1988	De Vynck et al.	1	1	1
↑	AB	5,108,490	04/1992	Yoshimura	1	1	1
	AC	5,232,485	08/1993	Yoshimura et al.	1	1	1
	AD	5,635,146	06/1997	Singh, et al.	1	1	1
	AE	3,933,474	01/20/76	Ham et al	1	1	1
	AF	5,442,978	08/22/93	Hildreth et al	1	1	1
	AG	6,010,676	01/04/00	Singh et al	1	1	1
↓	AH	4,082,579	04/1978	Masumoto et al	1	1	1
PD	AI	4,673,554	06/1987	Niwa et al	1	1	1
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FOREIGN PATENT DOCUMENTS

		Document Number	Date	Country	Class	Subclass	Translation	
							Yes	No
PP	AM	19841774	03/1999	GER (translation of abstract only)	X	X	X	
↑	AN	03-197640	08/1991	JPN (translation of abstract only)			X	
↓	AO	WO96/20892	07/1996	PCT			X	
PP	AP	JP403197640	08/1991	Japan (Abs tract only)			X	
	AQ						X	

OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, Etc.)

PD	AR	Titterton, et al. "The Production and Fabrication of Titanium Powder," Symposium on Powder Metallurgy, 1954, pgs. 11-18.
↑		Michalik et al. "Factors Affecting the Mechanical Properties and Texture of Titanium," Symposium jointly sponsored by SCAMP and SMD (RMMC), 125th TMS Annual Meeting and Exhibition, Anaheim, California 02/1996, pgs. 205-207.
	AS	Tripp et al. "The Production of Titanium by the Sodium Reduction Process," Symposium jointly sponsored by SCAMP and SMD (RMMC), 125th TMS Annual Meeting and Exhibition, Anaheim, California 02/1996, pgs. 23-27.
		Fukang, et al. "Titanium Industry in China," Symposium jointly sponsored by SCAMP and SMD (RMMC), 125th TMS Annual Meeting and Exhibition, Anaheim, California 02/1996, pgs. 287-292.
↓	AT	Eckert, "The Industrial Application of Pyrochemical, Chlorination and Hydrometallurgy for Producing Titanium Compounds," Symposium jointly sponsored by SCAMP and SMD (RMMC), 125th TMS Annual Meeting and Exhibition, Anaheim, California 02/1996, pgs. 55-61.
PD		Suri, et al. "Studies on Titanium Extraction," Symposium jointly sponsored by SCAMP and SMD (RMMC), 125th TMS Annual Meeting and Exhibition, Anaheim, California 02/1996, pgs. 59-66.

EXAMINER

PHUC T. DANG

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11/12/2002

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MAY-13-2004 12:05
Form PTO-1140

WELLS ST. JOHN, P.S.

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO.
3493-COM

5098383424

P. 04/12

SERIAL NO.
1003320

LIST OF ART CITED BY APPLICANT
(Use several sheets if necessary)

APPLICANT
Henry Rosenberg et al

FILING DATE
January 13, 2003

GROUP
2818

U.S. PATENT DOCUMENTS

*Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate
PD	AA 3,196,153	03/1993	Matsuo et al			
PD	AB 6,043,881	01/1992	Gerde			
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FOREIGN PATENT DOCUMENTS

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EXAMINER

PHUC T. DANG

DATE CONSIDERED

7/21/04

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Form PTO-140		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. 2003-0001		SERIAL NO. 1000000	
LIST OF ART CITED BY APPLICANT (Use several sheets if necessary)				APPLICANT HUNG HONG WU ET AL			
				FILING DATE January 15, 2003		GROUP 210	
U.S. PATENT DOCUMENTS							
Examiner Initial	Document Number	Date	Title	Class	Subclass	Filing Date if Applicable	
PD	AA 2,890,145	09/1980	Method of st				
PD	AD 6,000,148	09/1987	Staple of st				
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FOREIGN PATENT DOCUMENTS							
	Document Number	Date	Country	Class	Subclass	Translating	
	AL EP 0927103	07/1999	EPO			YES	NO
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OTHER REFERENCES (Including Author, Title, Date, Publisher, Pages, Etc.)							
PD	AL	Clark et al, "Influence of Initial Ingot Breakdown on the Microstructural and Textural Development of High Purity Titanium", Metallurgical Transactions, vol. 22A, pp. 2959-2968, December 1991.					
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Form PTO-1449		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. MST3-COM1		SERIAL NO. 10051201	
LIST OF ART CITED BY APPLICANT (Use several sheets if necessary)				APPLICANT Marty Rosenzweig et al			
				FILING DATE January 15, 2007		GROUP 2019	
U.S. PATENT DOCUMENTS							
Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date if Applicable	
PD	AA 6,190,451	10/2000	Hartgen, Tobias				
	AB						
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FOREIGN PATENT DOCUMENTS							
	Document Number	Date	Country	Class	Subclass	Translation	
						Yes	No
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OTHER REFERENCES (including Author, Title, Date, Periodical Page, Etc.)							
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Harry Rosenberg et alFILING DATE
January 13, 2007GROUP
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U.S. PATENT DOCUMENTS

*Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
PD	AA 4,128,471	12/03/1978	Marb et al			
PD	AB 5,948,216	09/07/1999	Che et al			
PD	AC 5,242,481	03/07/1993	Kramer			
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PHUC T. DANG

DATE CONSIDERED

7/21/04

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MAY-13-2004 12:05
Form PTO-1449

WELLS ST. JOHN, P. S.

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO.
24521-CON

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P.04/12

SERIAL NO.
1703227

LIST OF ART CITED BY APPLICANT
(Use serial sheets if necessary)

APPLICANT
Harry Rosenberg et al

FILING DATE
January 15, 2003

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U.S. PATENT DOCUMENTS

*Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
PD	AA	3,179,163	03/1993	Matsumoto et al	7	—	—
PD	AB	6,043,881	01/1993	Gerde	—	—	—
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